

AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A semiconductor structure, comprising:
a semiconductor substrate; and
a compliant interconnect element disposed on a first surface of the substrate, said compliant interconnect element comprising a portion extending across and away raised from the first surface of the substrate to define defining a chamber between the first surface of the substrate and the portion of the compliant interconnect element.
2. (Original) The structure of claim 1, wherein the interconnect element comprises a compliant layer.
3. (Original) The structure of claim 2, wherein the compliant layer comprises a polymer.
4. (Original) The structure of claim 3, wherein the polymer comprises silicone.

5. (Previously Presented) The structure of claim 1, wherein the chamber is surrounded on all of its sides by the portion of the compliant interconnect element and the first surface of the substrate.

6. (Original) The structure of claim 1, wherein the chamber has a height within the range of about 50 μm to about 200 μm .

7. (Original) The structure of claim 2, wherein the compliant layer has a thickness within the range of about 5 μm to about 500 μm .

8. (Original) The structure of claim 1, wherein the substrate comprises a device.

9. (Original) The structure of claim 8, wherein the device comprises an integrated circuit.

10. (Original) The structure of claim 9, wherein the device comprises a micro-electro mechanical system.

11. (Original) The structure of claim 1, further comprising:
an encapsulation layer disposed on a second surface of the semiconductor substrate.

12. (Original) The structure of claim 1, further comprising:

a first conducting pad on the substrate; and

a conducting layer, disposed on the compliant interconnect element in contact with the first conducting pad.

13. (Original) The structure of claim 12, wherein the conducting layer comprises metal.

14. (Original) The structure of claim 13, wherein the metal is selected from the group consisting of titanium, copper, nickel, and gold.

15. (Original) The structure of claim 13, wherein the conducting layer has a thickness within the range of about 2 μm to about 5 μm .

16. (Original) The structure of claim 12, further comprising:

a plurality of conducting pads on the substrate,

wherein the conductive layer comprises a plurality of lines, each of the lines contacting one of the plurality of conducting pads, the lines defining a pad redistribution pattern.

17. (Original) The structure of claim 12, further comprising:

a printed circuit board having a second conducting pad disposed thereon,

wherein the second conducting pad is in electrical communication with the first conducting pad on the substrate via the conducting layer.

18. (Currently Amended) A method for forming a semiconductor structure, said method comprising:

providing a semiconductor substrate; and

providing a compliant interconnect element on a first surface of the substrate, said compliant interconnect element comprising a portion extending across and raised away from the first surface of the substrate to define defining a chamber between the portion of the compliant interconnect element and the first surface of the substrate.

19. (Original) The method of claim 18, wherein providing the compliant interconnect element comprises providing a compliant layer.

20. (Original) The method of claim 19, wherein providing the compliant layer comprises providing a transfer substrate having a compliant layer disposed thereon.

21. (Original) The method of claim 20, wherein providing a transfer substrate comprises providing a glass substrate.

22. (Original) The method of claim 18, wherein providing a semiconductor substrate comprises a providing a plurality of singulated dies, each of said die including a semiconductor device.

23. (Original) The method of claim 22, further comprising:
encapsulating each one of the plurality of singulated dies in a protective material to form a reconstituted wafer.

24. (New) The structure of claim 16, wherein the plurality of conducting pads have a first pitch and the lines define a pad distribution pattern have a second pitch.

25. (New) The structure of claim 24, wherein the first pitch is smaller in size than the second pitch.

26. (New) The structure of claim 25, wherein the first pitch is about 150 μm and the second pitch is about 800 μm .